

Work Order ID 79986

Wednesday, February 08, 2012 3:08:57 PM

79986

Page 1

Item ID: D350-794-041

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Tank Assembly

Stop

NS2Start Date: 2/9/2012 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 3/2/2012 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: *MF*Date: *12-02-08* Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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IIN-D350-794

C

100 *100* 0.00***100***

DC

Document Control

Memo

0.00

Photocopy bluefile & type labels per PPPD350-794-041

CHG003

*SP 12-02-08**SP 12-02-08*

110

Pick Kit

110

Packaging

Packaging

0.00

*SP 12-02-08**SP 12-02-08*

120

QC4- 100% Inspect kits for completeness

120

QC

Quality Control

0.00

*SP 12-02-08**SP 12-02-08*

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 79986

Wednesday, February 08, 2012 3:08:57 PM

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Page 2

Item ID: D350-794-041

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Tank Assembly

Stop

NS2Start Date: 2/9/2012 Start Qty: 1.00 ***1***Required Date: 3/2/2012 Req'd Qty: 1.00 ***1***

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center ID
130***130***

Packaging

Packaging

Operation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Packaging

0.00

Memo

0.00

Identify and pack for shipping as per PPPD350-794-041

Location:

PPP Rev:

PPD 79986

140

140

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

12-03-05

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector	
			Initial Chief Eng	Action Description Chief Eng	Sign & Date				

NOTE: Date & initial all entries

Picklist Print

Wednesday, February 08, 2012 3:08:56 P

Page 1

Work Order ID: 79986

Parent Item: D350-794-041

Start Date: 2/9/2012

Required Date: 3/2/2012

Parent Item Name: Tank Assembly

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 10.05.17 ECN10-562 DD verf:
list EC verified by: DD - IPP REV:C 11.09.27 AS PER CHG 003 DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN816-6D Nipple-M-6Flare -1/4NPT		Purchased	No			110	Each	9.0000		SP-1			SP

Location

ST325 9

118529 9

Manufactured No

110 Each 0.0000

Manufactured No

110 Each 2.0000

Location

ST193 2

79289 2

Manufactured No

110 Each 2.0000

Location

ST193 2

79313 2

Purchased No

110 Each 10.0000

Location

ST299 10

119109 2

120142 3

120521 5

Purchased No

110 Each 6.0000

Location

ST299 6

118529 6

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

REFERENCE ONLY

4.0 ELECTRICAL LOAD

The electrical load effect for each aircraft must be assessed as follows.

Component	Load
Fuel Pump	3.00 Amps
Fuel Gauge	0.45 Amps
Fuel Sender	0.13 Amps
Total Installation	3.58 Amps = 100 Watts

5.0 WEIGHT AND BALANCE

The following is the weight increase associated with the Aux Fuel Tank Installation. Be sure to subtract the weight of any parts or material removed.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-794-011 Auxiliary Fuel Tank (AS350 models)	29.8 lb 13.5 kg	-22.0 in -0.56 m	-655.6 in-lb -7.56 m-kg	126.0 in 3.20 m	3754.8 in-lb 43.2 m-kg
D350-794-013 Auxiliary Fuel Tank Provisions (AS350 models)	5.5 lb 2.5 kg	-14.6 in -0.37 m	-80.3 in-lb -0.93 m-kg	163.4 in 4.15 m	898.7 in-lb 10.4 m-kg
D130-794-021 Auxiliary Fuel Tank (EC130 models)	29.8 lb 13.5 kg	-23.6 in -0.60 m	-703.3 in-lb -8.1 m-kg	126.0 in 3.20 m	3754.8 in-lb 43.2 m-kg
D130-794-023 Auxiliary Fuel Tank Provisions (EC130 models)	5.5 lb 2.5 kg	-16.1 in -0.41 m	-88.6 in-lb -1.03 m-kg	163.4 in 4.15 m	898.7 in-lb 10.4 m-kg

6.0 PARTS LIST

Qty -011	Qty -013	Qty -021	Qty -023	Qty -041	Part Number	Superseded Part Numbers	Description
X					D350-794-011		AUXILIARY FUEL TANK (AS 350 SERIES)
1	X				D350-794-013		AUXILIARY FUEL TANK PROVISIONS (AS 350 SERIES)
	X				D130-794-021		AUXILIARY FUEL TANK (EC 130 SERIES)
	1	X			D130-794-023		AUXILIARY FUEL TANK PROVISIONS (EC 130 SERIES)
1	1	X			D350-794-041		TANK ASSEMBLY
			1		D4055-041	JCA/M47-1-01A	FUEL TANK
1		1			D4022-041	A8150-B1-JCA	FUEL TRANSFER PUMP ASSEMBLY
			1		D4023-1	ER281	FUEL CAP
1		1			D4002-5	JCA-M47-2-13	SUPPLY HOSE - FROM AUX TANK
1		1			D4003-047	JCA-M47-2-16	FUEL PUMP INLET PIPE
1		1			D4002-7	JCA-M47-2-25	SUPPLY HOSE - PUMP TO MAIN TANK FILLER NECK
			1		D4002-041	JCA-M47-1-13	DRAIN HOSE ASSEMBLY - FRONT
			1		D4002-043	JCA-M47-1-16	DRAIN HOSE ASSEMBLY - REAR
			2		MS20822-3D		UNION
1		1			AN832-6D		BULKHEAD UNION
			1		AN816-6D		STRAIGHT FITTING
2		2			AN924-6D		NUT (ALTERNATE AS5178D06)
2		2			NAS1149D0963J		WASHER

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Revision: C
Date: 10.01.25

Qty -011	Qty -013	Qty -021	Qty -023	Qty -041	Part Number	Superseded Part Numbers	Description
				1	MS20822-8D		90° FITTING
2			2		AN815-6D		UNION
2			2		MS29512-06		ORING
1		1			D4022-3	05-00021	FUEL PUMP MOUNTING BRACKET
2		2			AN3-4A		BOLT
2		2			MS21042-3		NUT
2		2			AN970-3		WASHER
1		1			D4008-043	JCA-M47-2-29	FUEL PUMP SPLASH GUARD
1		1			D4004-7	N3	HOSE CLIP
			2		D4009-041	JCA-M47-4-01	BONDING BRAID
			1		D4008-041	JCA-M47-2-26	AUXILIARY TANK FILLER SPLASH GUARD
4		4			AN525-10R6		SCREW
1		1			D4001-3	AN832-6D-JCA	BULKHEAD FITTING - MODIFIED
7		7			CR3212-5-5		CHERRY MAX RIVET
18		18			CR3213-4-3		CHERRY MAX RIVET
4		4			CR3212-4-3		CHERRY MAX RIVET
12		12			MS20470AD4-6		RIVET
32		32			MS20470AD3-4		RIVET
16		16			MS20470AD5-6		RIVET
6		6			MS20470AD5-8		RIVET
9		9			CR3213-5-2		CHERRY MAX RIVET
6		6			CR3212-5-4		CHERRY MAX RIVET
3		3			CR3212-5-3		CHERRY MAX RIVET
10		10			CR3212-5-2		CHERRY MAX RIVET
							Vent Assembly Parts
2		2			MS21919WDG-8		CLAMP
1		1			D4003-11	JCA-M47-2-21	VENT PIPE - TANK
		1			D4027-041	JCA-M47-2-20	VENT CLAMP ASSEMBLY
1		1			D4003-049	JCA-M47-2-17	VENT PIPE - TANK
1		1			D4027-043	JCA-M47-2-35	VENT CLAMP ASSEMBLY
1		1			D4063-3	193-8	VENT HOSE
2		2			2000-8S		HOSE CLAMP
1		1			NAS43DD3-32N		SPACER
1		1			MS35207-267		SCREW
2		2			MS35207-264		SCREW
3		3			NAS1149D0332J		WASHER
3		3			MS21042-3		NUT
		3			TBA28B		CABLE TIE FASTENER
		1			TY25MX		TIE WRAP
1		1			MS21919WDG-6		CLAMP (RUBBER REMOVED)
1		1			D4009-041	JCA-M47-4-01	BONDING BRAID ASSEMBLY
							Restraint Assembly Parts
1		1			D4005-1	JCA-M47-2-03	REAR RESTRAINT ANGLE/GUTTER
1		1			D4004-11	JCA-M47-2-11	TOP STRAP ATTACH BRACKET
1		1			D4004-5	JCA-M47-2-23	BOTTOM STRAP ATTACH BRACKET
3		3			MS24694-S50		SCREW
3		3			MS21042-3		NUT
3		3			NAS1149F0363P		WASHER
1		1			D4024-041	JCA/ASSO/MIN	ANCR RESTRAINT STRAP
1		1			D4004-041	JCA-M47-2-19	SIDE RESTRAINT ANGLE
1		1			D4007-3	JCA-M47-2-18	TOP SUPPORT BRACKET
1		1			D4006-041	JCA-M47-2-01	TANK TOP SUPPORT ASSEMBLY

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Revision: C
Date: 10.01.25

Qty -011	Qty -013	Qty -021	Qty -023	Qty -041	Part Number	Superseded Part Numbers	Description
	2		2		AN4-5A		BOLT
	2		2		NAS1149F0463P		WASHER
							Locker Preparation Parts
1		1		D4005-041	JCA-M47-2-22		FORWARD FLOOR GUTTER
1		1		D4063-1	193-6		DRAIN HOSE
1		1		MS21919WDG-9			CLAMP
1		1		MS35207-264			SCREW
1		1		NAS1149D0332J			WASHER
1		1		MS21042-3			NUT
1		1		2000-6S			HOSE CLAMP
3		3		NAS1474-08			SEALED CAPTIVE ANCHOR NUT
1		1		D4005-11	JCA-M47-2-12		FINISHING STRIP
4		4		MS21059-L08			ANCHOR NUT
7		7		AN525-832R6			SCREW
							Electrical Parts
1		1		D8-603			6.3A ECF FUSE (ALTERNATE HA23-6U3)
1		1		D1-205			2.5A ECF FUSE (ALTERNATE HA21-2U5)
1		1		MS35058-23			SWITCH
1		1		107-964			CONNECTOR RECEPTACLE
1		1		107-978			CONNECTOR BACKSHELL (ALTERNATE 105-5465)
1		1		107-943			CONNECTOR PLUG
			1	D4025-1	VDO-M47-JCA		FUEL QUANTITY SENDER
4		4		MS35206-217			SCREW
4		4		NAS1149FN416P			WASHER
4		4		MS21044N04			NUT
1		1		143-207			PLUG
1		1		143-208			RECEPTACLE
1		1		143-204			RECEPTACLE HOUSING (ALTERNATE 973-1490)
1		1		143-203			PLUG HOUSING (ALTERNATE 973-1482)
5		5		143-219			CRIMP PIN (ALTERNATE 977-3800)
5		5		143-217			CRIMP SOCKET (ALTERNATE 977-3797)
1		1		D4009-041	JCA-M47-4-01		BONDING BRAID ASSEMBLY
1		1		D4026-041	FL-100-R-JCA		FUEL GAUGE
2		2		AN525-832R6			SCREW - GROUND STUD
2		2		NAS1149FN832P			WASHER
2		2		MS21042-08			NUT
1		1		444-2556			GAUGE MASTER SWITCH
1		1		D4022-5	3775628		THERMAL SWITCH (125°) - FARNELL (ALTERNATE 100-6847)
							General
1		1		AN5800-1			PLACARD HOLDER
1		1		AN929-6D			BLANK CAP
							Additional EC 130 Parts
	3			MS35207-264			SCREW
	3			NAS1149D0332J			WASHER
	3			MS21042-3			NUT
	1			D4027-041	JCA-M47-2-20		VENT CLAMP ASSEMBLY
	1			D4004-043	JCA-M47-2-04		SIDE RESTRAINT ANGLE AND TIE DOWN POINT

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ENCLOSURE ONLY

Qty -011	Qty -013	Qty -021	Qty -023	Qty -041	Part Number	Superseded Part Numbers	Description
			1		D4005-5	JCA-M47-2-06	ANGLE
			4		D4005-7	JCA-M47-2-07	ANGLE
			1		D4005-9	JCA-M47-2-08	ANGLE
			1		D4007-1	JCA-M47-2-02	TOP SUPPORT BRACKET
			1		D4005-3	JCA-M47-2-05	FORWARD RESTRAINT BEAM
			2		AN4-6A		BOLT
			1		D4007-5	JCA-M47-2-24	PACKER
			60		MS20470AD4-4		RIVET
			30		MS20470AD4-6		RIVET
			10		CR3213-4-3		CHEERY MAX RIVET
			10		CR3213-4-2		CHEERY MAX RIVET
							Placards
1					D3997-1	JCA-M47-P1	FUEL QUANTITY - AS 350 MODELS
			1		D3997-3	JCA-M47-P2	FUEL QUANTITY - EC 130 B4 MODEL
1			1		D3997-5	JCA-M47-P3	AUX FUEL DRAIN
1			1		D3997-7	JCA-M47-P4	AUX FUEL TRANSFER PUMP
1			1		D3997-9	JCA-M47-P5	AUX FUEL
1			1		D3997-11	JCA-M47-P6	WEIGHT AND BALANCE
1			1		D3997-13	JCA-M47-P7	ON/OFF
1			1		D3997-15	JCA-M47-P8	CHECK LOCKER TANK
1			1		D3997-17	JCA-M47-P9	STOWAGE PROHIBITED
1			1		D3997-19	JCA-M47-P10	TANK VENT
1			1		D3997-21	JCA-M47-P13	SWITCH FIXED
1			1		D3997-23	JCA-M47-P14	AUX FUEL
1					D3997-25	JCA-M47-P15	CONVERSION CHART - AS 350 MODELS
			1		D3997-27	JCA-M47-P16	CONVERSION CHART - EC 130 B4 MODEL
1			1		D3997-29	JCA-M47-P17	DO NOT OVERFILL WARNING
1			1		D3997-31	JCA-M47-P18	ON/OFF
1			1		D3997-33	JCA-M47-P19	AUX GAUGE FACE
1			1		D3997-35	JCA-M47-P20	AUX FUEL GAUGE
1			1		D3997-37	JCA-M47-P21	6.3A CIRCUIT BREAKER
1			1		D3997-39	JCA-M47-P22	2.5A CIRCUIT BREAKER
1			1		D3997-41	JCA-M47-P23	AUX TANK NOT FITTED
1			1		D3997-43	JCA-M47-P24	EARTH

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